

TML-LT, UAB

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TML135-NG – cable marking set.

Designed for the manufacture of non-combustible marking tags by thermal transfer printing method. The main area of application is the marking of electrical wires, harnesses and cables of the onboard network of vehicles, devices and units of mobile and stationary design, power and signal cable lines operating in the temperature range from -55 ° C to + 135 ° C. The labels printed using the ink ribbon (ribbon) of the ResT-DR type are distinguished by increased resistance of the printed information to the effects of solvents, fuels, oils and adverse environmental conditions, including those under atmospheric conditions.

Content of the set:

- Self extinguishing marking tags from modified (cross-linked) polyolefin 600µm in rolls for TT-printing.
- Black ribbon ResT-DR for excellent print resistance to particularly aggressive solvents and hydrocarbons.



Main characteristics:

- Operating temperature -55°C to +135°C
- Self extinguishing according UL224, E228117
- Color – white, yellow

Description	Test method	Typical value
Tensile strength	ASTM-D 638	>11 N/mm ²
Elongation at break	ASTM-D 638	>300%
Water absorption	ASTM-D 570	0,20%
Specific gravity	ASTM-D 792	1,40
Flammability	UL224	pass
UV resistance - 1000 hours	ASTM G 154	pass
Low temperature flexibility at -55°C	ASTM-D 2671	no cracking
Heat shock - 4 hours at 250°C	ASTM-D 2671	no dripping, cracking or flowing
Heat aging - 68 hours at 175°C	ASTM-D 638	elongation 200%
Chemical resistant	AMS-DTL-23053/5	pass
Copper corrosion	ASTM-D 2671 Метод В	no corrosion

Print properties (ribbon TML-ResT-DR, TT-printer CAB)

Description	Test method	Typical value
Abrasion resistance: Adherence test Scratch test	- SAE AS81531 - 10 rubs	Legible Legible
Fluid resistance: Isopropyl Alcohol/Mineral Spirits Blend Terpene Defluxer Water/PGME/Monoethanolamine (MEA)	MIL-STD202G, method 215K (3 x 10 rubs) — for all tests	Legible Legible Legible
Smear resistance: Isopropyl Alcohol 99,9% Diesel Hydraulic oil Unleaded gasoline Ethyl alcohol 92% Ethyl alcohol 95%	Room conditions, 10 rubs — for all tests	No effect Slight fading No effect Several fading and print illegible No effect Slight fading

Thermal Transfer printers:



cab, EOS
to print up to 20m per day



cab, SQUIX-M
large volume printing